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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MICHEAL L. GRUENBERG

Serial No.: 08/700,565

Filed: July 25, 1996

For: AUTOLOGOUS IMMUNE CELL
THERAPY: CELL COMPOSITIONS,
METHODS AND APPLICATIONS TO
TREATMENT OF HUMAN DISEASE

Art Unit: 1644

Examiner: Schwadron, R

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Responsive to the Office Action, mailed February 13, 2001, please amend the application as follows:

IN THE CLAIMS:

Please cancel claims 1, 4, 6, 8-13, 15, 26, 27, 30, 34, 35, 159-161, 163, 169, 173-210, 214 and 215 without prejudice or disclaimer.

Please replace claims 22-25, 28, 155, 157, 158 and 211 with amended claims 22-25, 28, 155, 157, 158 and 211 as follows:

MJ 22. (Thrice Amended) A method for generating clinically relevant cell numbers of Th1 cells, comprising:

- G1*
- (a) collecting material containing mononuclear T lymphoid cells from a mammal;
 - (b) activating the T lymphoid cells to alter their cytokine production profile by causing differentiation of the cells into Th1 cells; and
 - (c) in the absence of IL-2, inducing cell proliferation and expanding the cells under conditions that produce at least about 10^{10} cells/liter of a homogeneous population of Th1 cells, wherein a homogeneous population of Th1 cells comprises greater than about 50% Th1 cells.

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as First Class mail in an envelope addressed to:
Commissioner for Patents
Washington, D.C. 20231, on this date.

08/13/01
Date

Stephanie Seidman